



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 84-337

DRAWING NO. _____

SCALE 1" = 400'

MINIMUM DEGREE OF ACCURACY 1'/200'

PROVEN SOURCE OF ELEVATION B.M. 603

NEAR R.R.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Robert Waterman

R.P.E. 3788 L.L.S. _____

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 6/20, 19 84

OPERATOR'S WELL NO. 2

API WELL NO. 47 107 1317

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW _____

LOCATION: ELEVATION 602 WATER SHED OHIO RIVER
DISTRICT WILLIAMS COUNTY WOOD
QUADRANGLE BARKERSBURG 7.5' 532 Parkersburg 097 EC 6

SURFACE OWNER D. NEALE ET. AL. ACREAGE 52
OIL & GAS ROYALTY OWNER D. NEALE ET. AL. LEASE ACREAGE 52

PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION BEREA GAS ESTIMATED DEPTH 2100'
WELL OPERATOR BLAUSER WELL SERVICE DESIGNATED AGENT STANLEY WILSON
ADDRESS P. O. BOX 829 ADDRESS BIG SPRINGS, WV 26137
MARIETTA, OH 45750

COUNTY NAME _____
PERMIT _____

IV-35
(Rev 8-81)

RECEIVED

MAY 9 - 1985

OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia

Department of Mines
Oil and Gas Division

Date 5-2-85

Operator's

Well No. 2

Farm D. Neale

API No. 47 - 107 - 1317

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 603 Watershed Ohio River
District: Williams County Wood Quadrangle Parkersburg 7.5

COMPANY Blausser Well Service, Inc.

ADDRESS P. O. Box 829, Marietta, Ohio 45750

DESIGNATED AGENT Stanley K. Wilson

ADDRESS Rt. #1 Box 116 Big Springs, WV 26137

SURFACE OWNER D. Neale

ADDRESS Rt. #10, Parkersburg, WV 26101

MINERAL RIGHTS OWNER same

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Glen

Robinson ADDRESS _____

PERMIT ISSUED Oct. 2, 1984

DRILLING COMMENCED 10-26-84

DRILLING COMPLETED 10-30-84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON N/A

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	261	261	to surf
7			
5 1/2			
4 1/2	1938	1938	500
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 1861 feet

Depth of completed well 1946 feet Rotary / Cable Tools _____

Water strata depth: Fresh 30 feet; Salt _____ feet

Coal seam depths: None Is coal being mined in the area? _____

OPEN FLOW DATA

Producing formation Berea Pay zone depth 1861 feet

Gas: Initial open flow 34 Mcf/d Oil: Initial open flow 4 Bbl/d

Final open flow 34 Mcf/d Final open flow 4 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 620 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ feet

Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ hours MAY 20 1985

Static rock pressure _____ psig (surface measurement) after _____ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perforated Berea Sand from 1861 to 1867'

Fractured well with 50,000 #20/40 Sand
11,800 #10/20 Sand
with 793 bbls water

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	250	
Shale			250	276	
Sand			276	304	
Shale			304	312	
Sand			312	348	
Shale			348	394	
Sand			394	442	
Shale			442	754	
Sand			754	850	
Shale			850	872	
Sand			872	952	
Shale			952	990	
Sand			990	1004	
Shale			1004	1212	
Sand			1212	1253	
Shale			1253	1286	
Sand			1286	1332	
Shale			1332	1354	
Big Injun			1354	1482	Salt Water
Shale			1482	1830	
Coffee Shale			1830	1861	
<u>Berea</u>			1861	1867	Oil & Gas
Devonian Shale			1867	TD	
				1946 TD.	
				Berea@ TD	

(Attach separate sheets as necessary)

Blauser Well Service, Inc.

Well Operator

By: Arac M. Huk

Date: 5-6-85

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



1) Date: August 9, 1984
 2) Operator's Well No. #2 D. Neale
 3) API Well No. 47 - 107 - 1317
 State _____ County _____ Permit _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 603 Watershed: Ohio River 0
 District: Williams County: Wood Quadrangle: Parkersburg 7.5'
- 6) WELL OPERATOR Blausier Well Service, Inc.
 Address P. O. Box 829
Marietta, Ohio 45750
- 7) DESIGNATED AGENT Stanley K. Wilson
 Address Rt. #1 Box 116
Big Springs, WV 26137
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Glen P. Robinson
 Address Rt. 1 #6 Mt. Pleasant Estate
Mineralwells, W. Va. 26150
- 9) DRILLING CONTRACTOR:
 Name Haight, Inc.
 Address 4424 Emerson Ave.
Parkersburg, WV 26101
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
- 12) Estimated depth of completed well, 2000 feet
- 13) Approximate trata depths: Fresh, 40 feet; salt, 1300 feet.
- 14) Approximate coal seam depths: n/a Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 AUG 30 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	16"				X	50'	50'	-	Kinds
Fresh water									
Coal									Sizes
Intermediate	7"	H40	17#			250'	250'	250 sx	OIS NEAT Depths set as required by rule 15.01
Production	4 1/2"	J55	9.5	X		2000'	2000'	130 sx	
Tubing									Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1317 Date October 2, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 2, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET 19	Agent: <input checked="" type="checkbox"/>	Plat: <u>MM</u>	Casing <u>MM</u>	Fee 013- 982
------------------------	--------------------------------------------	-----------------	------------------	--------------------

Margaret J. Hesse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.